

LELESCU, G.

Nomography of the equation of the net tonnage of freight trains. p. 439.

REVISTA CAILOR FERATE. (Caiile Ferate Române) Bucuresti, Rumania.
Vol. 7, no. 8, Aug. 1959.

Monthly list of East European Accessions (EEAI) LC Vol. 9, no. 2, Feb. 1960

Uncl.

LELESCU, George

Calculation of the cost on railroads depending on the distance of
transportation. Rev cailor fer 10 no.9:497-504 S '62.

1. Conferentiar la Institutul Politehnic, Bucuresti.

LELESHUS, V.L.

One of the directions in variability in the genus Multisolenia
Fritz. Izv. Otd. est. nauk AN Tadzh. SSR no.1:49-55 '59.
(MIRA 13:3)

1. Institut geologii AN Tadzhikskoy SSR.
(Daurich, Mount--Corals, Fossil)

LELEYEV, N. S., Engr.

Cand. Tech. Sci.

Dissertation: "Pulsation of a Steam-Water Flow." Moscow Order of Lenin Power
Engineering Inst imeni V. M. Volotov, 20 Jun 47.

SO: Vechernaya Moskva, Jun, 1947 (Project #17836)

LELEYEV, N.S.

14358* (Strength of Steel Tubes for High Pressure Boilers.)
K voprosy o prachnosti stali nyki trub dlya kotlov vysokogo
davleniya, N. S. Leleev, E. A. Trofimov, and I. K. Korikovskij.
Vestnik Mashinostroenia, v. 33, no. 12, Dec. 1953, p. 11-13.
Calculation of wall thickness required. Table, graph, photo-
graphs, diagram, 2 ref.

LELEYEV, N.S.

USSR/Engineering - Steel pipes

Card 1/1 Pub. 128 - 5/32

Authors : Leleev, N. S.; Troyanskiy, E. A.; Zalkind, E. M.; Kats, Sh. N.; Zakharov, A. A.; and Kachanov, L. M.

Title : Comments and critical review of the article, "A Problem Concerning the Strength of Steel Pipes for High-Pressure Boilers"

Periodical : Vest. mash. 11, 24-27, Nov 1954

Abstract : A discussion and rebuttal of the article, "A Problem Concerning the Strength of Steel Pipes for High-Pressure Boilers", written by N. S. Leleev, and E. A. Troyanskiy, is presented. Graphs; table; diagram.

Institution : ...

Submitted : ...

LELEYEV, N.S.

USSR/Engineering - Welding

Card : 1/1 Pub. 128 - 17/32

Authors : Leleev, N. S. Troyanskiy, E. A. and Korikovskiy, I. K.

Title : Investigating the strength of welded T-joints

Periodical : Vest. mash. 34/7, 57 - 61, July 1954

Abstract : The strength of welded T-joints, and pipes, was investigated. The tests were conducted by the Department of Boiler Construction of the V. M. Molotov Institute of Power Engineering. Chemical composition and mechanical characteristics of steel, are indicated, and mathematical formulas are given to determine the strength. Four references. Diagrams; table.

Institution : ...

Submitted : ...

Leleyev, N.S.

AID P - 4082

Subject : USSR/Power Eng.

Card 1/1 Pub. 110-a - 7/14

Authors : Leleyev, N. S. and Z. L. Berlin, Kand. Tech. Sci.
Moscow Power Institute

Title : Using a rotating centrifugal separator to divert steam.

Periodical : Teploenergetika, 12, 36-41, D 1955

Abstract : Tests of a new rotating "turboseparator" are explained. A theoretical analysis of the turboseparation process is given. The construction of a turboseparator for industrial use in steam boilers is advocated. Seven diagrams. Three Russian references, 1946-1952.

Institution : None

Submitted : No date

96-1-11/31

AUTHORS: Leleyev, N.S., Candidate of Technical Sciences, Ye.A.
Troyanskiy, Candidate of Technical Sciences and
Antikayn, P. A., Engineer.

TITLE: Strength Calculations on Headers for Steam Boilers
(Raschet na prochnost' kollektorov parovykh kotlov)

PERIODICAL: Teploenergetika, 1958, Vol.5, No.1, pp. 40 - 44 (USSR).

ABSTRACT: At present, strength calculations on cylindrical chambers of steam boilers are made according to the limiting load, that is, the pressure at which the metal becomes plastic. The formula used to determine wall thickness is given: it can be derived from the fourth energy theory. It would be logical to determine the strength factor also by the fourth theory. However, in the standards the strength factors in the longitudinal and transverse bridges of metal between holes are determined by the first theory of strength, and the corresponding strength factor in a sloping metal bridge by the third theory, from the condition of maximum tangential stresses. The Central Boiler Turbine Institute (TsKTI) has proposed a formula to determine the strength factors of the bridges on the basis of the fourth theory of strength. It is assumed that the stress in the metal bridges is made uniform by slight plastic yield. Calculations by this formula (2) are very

Strength Calculations on Headers for Steam Boilers. 96-1-11/31

laborious and have been embodied in a nomogram, given in Fig.2. Comparative calculations have shown that by this method it is possible to economise 4-5% of steel used in headers for boilers; for super-high and super-critical pressures the economy of metal can be 10-11%.

To verify the method of calculation, experimental determinations of strength factor were made at the Moscow Power Institute. These were hydraulic tests, with a compressor capable of giving 6 000 atm., made on chambers manufactured by the Taganrog Boiler Works (Taganrogskiy Zavod) from pipe of diameter 273 x 29 mm, made of steel Ct.20. A specimen is shown in Fig. 3. After the unions had been welded to the chambers and hydraulically tested, they were subjected to recrystallisation, then annealed to remove remanent stress. Samples of metals used for mechanical tests were welded to the chamber and heat-treated with it. The mechanical test results are given. The limiting pressure was that at which the plastic strain was 0.2% in the particular metal bridge examined. The strength factor was determined as the ratio of this pressure to the limiting pressure for the whole chamber. Table 1 gives experimental data for chambers with honeycomb arrangement of the holes. The results are

Card2/4

96-1-11/31

Strength Calculations on Headers for Steam Boilers.

compared with calculations by Soviet, American and Czech formulae and by Formula (2) of this article. Experimental values of the strength factors are somewhat higher than the calculated values. Formula (2) gives the nearest results. Corresponding values are given in Table 2 for the case when the holes are in parallel rows. In this case, the strength factors obtained by all the standard methods coincide. So long as the metal of the union is not plastic it strengthens the bridge. In the strength determinations, the thickness of the unions was so chosen that they became plastic first; therefore, the results correspond to the conditions assumed in the standards.

The stress condition in a bridge working in the elastic region differs from that which we have assumed. The assumption is endorsed by experiment only when the metal becomes plastic. It was confirmed experimentally that in the middle of longitudinal and transverse rows of bridges the main stresses are axial and tangential. Near the unions, the main stresses were in some cases inclined 8 - 20 degrees to the axis of the chamber.

In the Central Boiler Turbine Institute (TsKTI) tests were made Card 3/4 on the long-term strength of model headers weakened by blind

Strength Calculations on Headers for Steam Boilers.

96-1-11/31

holes. Most of the investigations were made with bridges arranged in longitudinal rows. In this case, all the standards and formulae give similar values for the strength coefficient. There was good agreement between experiment and theory. The experimental values of the strength coefficients are equal to or a little higher than the value given by Formula (2), which is accordingly recommended for practical use.

There are 3 figures, 2 tables and 7 references, 5 of which are Slavic.

ASSOCIATION: MEI

AVAILABLE: Library of Congress.
Card 4/4

KOVALEV, A.P., prof.; LELEYEV, N.S., dots.

Small steam generators activated by natural gas. Energomashino-
stroenie 5 no.1:9-15 Ja '59.
(Boilers)

LELEYEV, Nikolay Stepanovich; RABINOVICH, S.V., red.; BORUNOV, N.I.,
tekhn.red.

[Calculation and design of boiler unit frameworks] Raschet i
konstruirovaniye karkasov kotloagregatov. Moskva, Gos.energ.
izd-vo, 1960. 222 p. (MIRA 13:12)
(Boilers)

GREBENKIN, V.G., inzh.; LELEYEV, N.S., kand. tekhn. nauk; SOLOV'YEVA, Yu.P.,
inzh.; TROYANSKIY, Ye.A., kand. tekhn. nauk

Concerning the effect of the oval cross section on the strength
of pipe bends. Elek. sta. 32 no.1:18-20 Ja '61. (MIRA 16:7)

(Pipe bending) (Pipelines--Testing)

KOVALEV, A.P., doktor tekhn. nauk, prof.; LELEVYEV, N.S.; KHZMALYAN,
D.M.; MAKSIMOV, V.M.; PANASENKO, M.D.; KAGAN, Ya.A.; MODEL',
Z.G.; TROYANSKIY, Ye.A.; VILENSKIY, T.V.; RYZHKIN, V.Ya.;
MOZHAROV, N.A.

[Atlas of boiler systems (supplement)] Atlas kotel'nykh
agregatov (dopolnenie). [By] A.P.Kovalev i dr. Moskva,
Gosenergoizdat, 1963. 22 fold. (MIRA 17:3)

LELEYEV, N.S., kand.tekhn.nauk, dotsent; MYZIN, A.K., kand. fiziko-matematicheskikh nauk, dotsent

Investigation of the sag and vibration of double-light water walls during furnace banging. Energomashinostroenie. 11 no.2: 11-14 F '65. (MIRA 18:4)

LENEV, L.N., inzh.; LELEYKIN, V.L., inzh.; TSIREL', Ya.A., inzh.; KULIYEV, T.M., inzh.; AVANESYAN, G.M., inzh.

Organization of the operation of complex electrical networks. Elek.
sta. 36 no.10:72-76 0 '65. (MIRA 18:10)

1. Gosenergcnadzor (for Lenev).
2. LVS Leningradskogo rayonnogo upravleniya energeticheskogo khozyaystva (for Leleykin, Tsirel').
3. TSentral'naya dispatcherskaya sluzhba Azglavenergo (for Kuliyev, Avanesyan).

LELEYKIN, V.P., inzh.; TSIREL', Ya.A.

Water cooling of electric transformers. Energetik 11 no.10:
5-9 0 '63. (MIRA 16:11)

LELEYKO, V.I. (Vil'nyus)

Important role of public health in rural areas. Sov. med. 18 no.8:
43-44 Ag '54. (MLRA 7:8)

(PUBLIC HEALTH

Russia, rural areas)

(RURAL CONDITIONS,

in Russia, pub. health aspects)

IEL'GANT, A.S., CHEREZOV, A.S.

Centrifugal machine for casting flanged pipes. Lit. proizv.
no.6:17-18 Je '60. (MIRA 13:8)
(Centrifugal casting)
(Pipe, Cast iron)

MAZO, R. S., LELIAM, A. S., SHCHERBAKOVA, T. N.

Injuries of the heart. Khirurgia, Moskva no. 11:20-24 Nov. 1951.
(CLML 21:3)

1. Of the Faculty Surgical Clinic (Director — Prof. A. N.
Bakulev, Honored Worker in Science), Second Moscow Medical Institute
imeni I. V. Stalin.

LELICHENKO, M.T.

ADRIANOV, P.K.; ANDRIANOV, S.M.; BEREZIKOV, B.S.; GOLOVKO, V.G. [Holovko, V.H.]; DOBROVOL'SKIY, A.V. [Dobrovols'kyi, A.V.]; DOVGAL', M.F. [Dovhal', M.F.]; YELIZAROV, V.D. [Elizarov, V.D.]; ZHIZDRINSKIY, V.M. [Zhizdryns'kyi, V.M.]; ZVENIGORODSKIY, O.M. [Zvenigoroda's'kyi, O.M.]; ZAYCHENKO, R.M. [Zaichenko, R.M.]; IVANENKO, Ye.I. [Ivanenko, I.I.]; KOMAR, A.M.; KOS'YANOV, O.M.; KAZAKOV, O.I.; KOSENKO, S.K.; KLIMENKO, T.A.; KIR'YAKOV, O.P.; KALISHUK, O.L.; LELICHENKO, M.T.; LEBEDICH, M.V.; MIKHAYLOV, V.O. [Mykhailov, V.O.]; MOROZ, I.I.; MOSHCHIL', V.Yu. [Moshchil', V.IU.]; NEPOROZHNIY, P.S. [Neporozhniy, P.S.]; NEZDATNIY, S.M. [Nezdatnyi, S.M.]; NOVIKOV, V.I.; POLEVYI, S.K. [Polevoi, S.K.]; PEREKHREST, M.S.; PUZIK, O.Ye. [Puzik, O.E.]; RADIN, K.S.; SLIVINSKIY, O.I. [Slivins'kyi, O.I.]; STANISLAVSKIY, A.I. [Stanislavskyi, A.I.]; USPENSKIY, V.P. [Uspens'kyi, V.P.]; KHORKHOT, O.Ya.; KHILYUK, F.P.; TSAPENKO, M.P.; SHVETS, V.I.; MAL'CHEVSKIY, V. [Mal'chevs'kyi, V.], red.; ZELENKOVA, Ye. [Zelenkova, E.], tekhn.red.

[The Ukraine builds] Ukrainsa buduie. Kyiv, Derzh.vyd-vo lit-ry z budivnytstva i arkhit., 1957. 221 p. (MIRA 11:5)
(Ukraine--Construction industry)

LELICHENKO, N.G., inzhener.

Use of prestressed reinforced concrete in industrial and housing
construction. Sbor.mat. o nov.tekh. v stroi. 17 no.2:li-14 '55.
(Concrete, Prestressed) (MLRA 8:2)

LERLICHENKO, N.G., inzhener.

Experience with building apartment houses using large sized silica
blocks. Nov.tekh.i pered.op.v stroi. 18 no.6:5-7 Je '56.
(MLRA 9:8)
(Building blocks)

LELICHENKO, N.G.; SLAVOV, V.V.

Roller conveyer unit for making large brick blocks. [Suggested by
N.G.Lelichenko, V.V.Slavov] Rats. i izobr. predl. v stroi. no.151:12-
14 '56. (MLRA 10:3)

(Conveying machinery)

LELICHENKO, N.G., otv.red.vypuska; PECHKOVSKAYA, O.M., red.izd-va;
RAKHLINA, H.P., tekhn.red.

[Development of construction and the building materials industry
in the Kharkov Economic Region] Voprosy razvitiia stroitel'stva
i promyshlennosti stroitel'nykh materialov Khar'kovskogo ekono-
micheskogo raiona; trudy Nauchno-tekhnicheskoi konferentsii po
razvitiyu proizvoditel'nykh sil Khar'kovskogo ekonomicheskogo
raiona. Kiev, Izd-vo Akad.nauk USSR. No.5. 1959. 101 p.

(MIRA 13:9)

1. Nauchno-tekhnicheskaya konferentsiya po razvitiyu proizvodi-
tel'nykh sil Khar'kovskogo ekonomicheskogo rayona, 1958. 2. Deystvi-
tel'nyy chlen Akademii stroitel'stva i arkhitektury USSR; Gosplan
USSR (for Lelichenko).

(Kharkov Province--Building materials industry)

LELICHENKO, N.G., inzh.; KOVAL'CHUK, R.D., inzh.; GRIGORENKO, G.I.,
inzh.; TARASENKO, B.P., inzh.

Prestressed reinforced concrete trihedral electric-line poles.
Suggested by N.G.Lelichenko, R.D.Koval'chuk, G.I.Grigurenko,
B.P.Tarasenko. Rats.i izobr.predl.v stroi. no.14:8-12 '60.
(MIRA 13:6)

1. Po materialam stroitel'no-montazhnogo tresta No.86 Khar'kovskogo
sovnarkhoza, Khar'kov, Gosprom., pod"yezd 3, 5 etazh.
(Electric lines--Poles)

L 44309-65 EWT(1)/EWG(n)/T-2 Fz-6

ACCESSION NR: AP5009502

8/0209/65/000/004/0072/0075

AUTHORS: Dobrenko, N. (Engineer, Lieutenant colonel); Leleka, P. (Engineer, Major)

TITLE: The simultaneous starting of the engines of several airplanes

SOURCE: Aviatsiya i kosmonavtika, no. 4, 1965, 72-75

TOPIC TAGS: aircraft engine/ KPA 4 aircraft starting unit, APA ZMP portable power unit, PR 600 direct current generator, 12 ACA 145 complex storage battery, power supply conductor requirement, aircraft starting power standard

ABSTRACT: Most power systems furnishing 24- and 48-v DC for starting aircraft engines use a switching system which switches the power source from a parallel to a series connection. Such a system is unacceptable for starting several engines simultaneously because of the mutual interference, so a new system has been developed to overcome this problem. This new system feeds the power for starting from a centralized airport source to the planes through the automatic units KPA-4. The fundamentals of the system are shown in Fig. 1 on the Enclosure, in which the terminals, switched on by command, are set so that K_1 furnishes 24 v to one motor, and K_2 furnishes 48 v to another motor. The load in this system is distributed unequally, since the lower (basic) source feeds both the 24-v and 48-v, while the

Card 1/p?

L 44309-65

ACCESSION NR: AF5009502

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upper (auxiliary) source feeds only the 48-v. The basic source must be considerably more powerful. The connecting line must have three conductors, and, since it must handle peak currents of 1000 amp, its cross section must measure hundreds of mm². The modifications required for unit KPA-4 affect only the internal switching. Such a system was successfully tested at a commercial airport for supplying ten planes. For the basic source, the regular portable unit APA-ZMP was used. This unit contained a PR-600 DC generator and six 12-ACA-145 storage batteries. It can furnish a current of 7000 amp for a brief period, and 600 amp for a longer time. As an auxiliary source (good for 200 starts), six additional similar storage batteries were included in the unit. Other power sources may be used, provided that both the power and the current of the basic and auxiliary sources are able to satisfy the total power and current requirement for simultaneous starting. The system tested furnished 1000 amp peak currents through 280 mm² three-conductor leads to cores up to 40 m away. A maximum of six units is recommended so that the basic source and conductor requirements do not become excessive. The system can be either permanent or portable, the latter type being most economical. Orig. art. has: 2 figures.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 01

SUB CODE: J3, ZJ, PR

NO REV GOV: 000

OTHER: 000

Card 2/3

LELICHINKO, V., kand. tekhn. nauk

Built-up ventilated roofs. Zhil. stroi. no.11:24-25 '64
(MIRA 18:2)

LELICHENKO, V. [Lelychenko, V.], kand.tekhn.nauk

Improving elements for large-panel housing construction. Bud.zat.i
konstr. no.5:6-11 S-0 '62. (MIRA 15:11)
(Precast concrete construction) (Kiev—Apartment houses)

LELICHENKO, V.G., Cand Tech Sci--(disc) "Study of the strength and
deformability of large block ^a ^{slaying with 4411} ~~samples~~ of thermosetting concrete blocks."
^{Concrete}

Kiev, 1953. 20 pp (Acad of Building and Architecture of the UkrSSR)

Sci Res Inst of Building Constructions), 100 copies. List of author's
works at end of text. (M,26-5^,110)

- 78 -

AUTHOR: Lelichenko, V.G., Engineer. SOV/97/58/2/6/16

TITLE: Variation in Strength and Specific Weight of
Termozit-concrete (without cement) in Relation
to its Age. (Izmeneniye prochnosti i ob'yemnoj vesa
bestsementnogo termozitobetona v zavisimosti ot yego
vozrasta).

PERIODICAL: Beton i Zhelezobeton, 1958 Nr 2, pp 63-65.

ABSTRACT: In the factory imeni Il'icha in Zhdanov^e tests were carried out with building blocks taking into consideration the problem of hardening and the decreasing of a specific weight. These blocks were made of termozit-concrete. Tests were made with cubes 200x200x200mm which were steam cured and after that protected in dry air conditions. The cubes were made from the following ingredients: Ground lime (according to GOST No 5803-51), calcium chloride (according to GOST 450-41 and finely ground granulated slag. To achieve an activated mix granulated slag is used with the content of 40% $\text{CaO}+\text{MgO}$ and 4-6.5% of MnO . Its granulometric composition is given in Table 1. Table

Card 1/2

SCV/97/58/2/6/16

Variation in Strength and Specific Weight of Termozit-concrete
(without cement) in Relation to its Age.

3 gives quantities of materials required for 1m³ of activated slag mix. Figure 1 illustrates a diagram of steam curing of termozit-concrete without cement. The strength of test cubes was investigated during the whole year. It was ascertained that in relation to the 28-day strength the 7-day strength of termozit concrete was 73%, after three months 126%, after four months 136%, after 6½ months 36% and after a year 147%. Table 3 gives values which are characteristic of the strength and specific weight of the termozit-concrete without cement. Table 4 shows values of the increasing strength of termozit-concrete and similar values arrived at by testing light and heavy concrete (see M.Z. Simonov, "Concrete and Reinforced Concrete made with Ordinary Mix" published by Gosstroyizdat in 1955). These tests showed that the values obtained were very similar to those obtained by using Professor B.G. Skramtayev's formula. Higher values are reached in the strength increase of termozit-concrete when the hardening takes place in dry conditions if the curing is prolonged. There are two figures and five tables.

Card 2/2

1. Concrete--Mechanical properties
2. Concrete--Physical properties
3. Concrete--Aging

LELICHENKO, Vasiliy Gordeevich, kand. tekhn.nauk; SAVCHENKO-
DEL'SKIY, Vitaliy Grigor'yevich; VOLOSHCHENKO, Z.N.,
red.; GRISHKO, T.I., tekhn. red.

[Joints and joinings in panel-built apartment houses]
Styki i sopriashheniya panel'nykh zhilykh domov. Kiev,
Gosstroizdat USSR, 1963. 45 p. (MIRA 16:8)
(Building--Details)

L 30035-66 EWT(m)

ACC NR: AP6020118

SOURCE CODE: UR/0097/66/000/001/0012/0016

AUTHOR: Lelichenko, V. G. (Candidate of technical sciences) 40
B

ORG: none

TITLE: Prestressed reinforced concrete wall panels for heated production buildings with column interval 12 meters

SOURCE: Beton i zholozobeton, no. 1, 1966, 12-16

TOPIC TAGS: concrete equipment, reinforced concrete, insulating material

ABSTRACT: The new panels being constructed at the Brovary Reinforced Concrete Industrial Constructions plant near Kiev are, in

cross section, boxes of reinforced concrete, filled with insulation. Two double-tee prestressed beams reinforce the panels in the horizontal direction. The new panels are more economical to manufacture, both from the standpoint of materials, and from the standpoint of man-hours invested, than previously used models. Results of strength tests indicate that they should find ready application in plant construction, especially in areas where there are no light fillers available for production of light concrete walls for heated plant areas. Test results are tabulated, and photographs show the methods used to manufacture and test the panels. Orig. art. has: 9 figures and 4 tables. [JPRS]

SUB CODE: 11, 13 / SUBM DATE: none

Card 1/1

UDCA 69.022.666.982.4

LELICHENKO, V., inzh.; UKRAINSKY, F., inzh.

Making thermosite-concrete wall blocks without using cement. Stroi,
mat. 4 no.5:35-37 My '58. (MIRA 12:4)

1. Nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy
Akademii stroitel'stva i arkhitektury USSR (for Lelichenko). 2. Zavod
im. Il'icha v g. Zhdanove (for Ukrainskiy).
(Concrete blocks)

ARONSKI, A.; JANIAKOWNA, J.; LELIGDOWICZ, A.; ROGALSKI, E.

Simultaneous application of phenothiazine and barbituric acid
in prolonged sleep therapy. Polski tygod. lek. 11 no.11:516
12 Mar 56.

1. Z III Kliniki Chorob Wewnetrznych; kier.; prof. dr. E. Szczeklik
i II Kliniki Chirurgicznej A.M. we Wrocławiu; kier.: prof. dr.
W. Bross. Wrocław, III Klinika Chorob Wewn. A.M.

(SLEEP, therapeutic use,
simultaneous barbituric acid & phenothiazine technic (Pol))
(PHENOTHIAZINE, therapeutic use,
sleep ther. with simultaneous application of barbituric
acid & phenothiazine (Pol))
(BARIITURATES, therapeutic use,
sleep ther. with simultaneous application of barbiturates
& phenothiazine (Pol))

RISKO, Tibor, dr.,; BORSAY, Janos, dr.,; LELIK, Ferenc, dr.

Surgery of lumbar spinal tuberculosis complicated with psoas
abscess. Magy. sebeszet 9 no.2:83-90 Apr 56

1. Az All. Fodor Jozsef Tbc. Gyogyintezet kozlemenye Igazgato-
foorvos: Risko Tibor dr.

(TUBERCULOSIS, SPINAL
lumbar, compl., psoas abscess, x-ray diag. & surg.
(Hun))

(ABSCESS
psoas, in lumbar spinal tuberc., x-ray diag. & surg.
(Hun))

LELIK, F.

Results of treatment in tuberculous coxitis. Khirurgija 40 no.7:
127-129 J1 '64. (MIRA 18:2)

1. Institut po lecheniyu kostro-sustavnogo tuberkuleza pri Sovete
komiteta Sabolch-Satmar-Nirbeltek, Vengriya.

HUNGARY

GORENYI, Akos, Dr, LELIK, Ferenc, Dr; Dabas Jaras Council Executive Committee, Ambulant Specialist Service (Dabasi Jarasi Tanacs VB -- Vegrehajto Bizottsag --, Szakorvosi Rendelointezet).

"The Diagnostic Importance of X-Ray Pictures Taken of the Knee in Flexion."

Budapest, Magyar Radiologia, Vol XVIII, No 2, Apr 66, pages 106-108.

Abstract: [Authors' Hungarian summary] The advantages of X-ray pictures taken of the flexed knee are described on the basis of 13 cases. Changes which may cause arthrosis deformans or conditions predisposing for it were found which were not visible on the usual pictures. 1 East German, 7 Western references.

1/1

LELIKOV, A.Ye
APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R000929210009-9"

Some economical aspects of transportation in the northeastern areas of the U.S.S.R. Rech.transp. 15 no.8:4-6 Ag '56.
(Siberia, Eastern--Inland water transportation) (MLRA 9:11)

LELIKOV, A.Ye.

Increase freight traffic on the Lena River. Rech. trans. 18 no.8:7-8
Ag '59.
(MIRA 12:12)

1. Nachal'nik upravleniya dorozhno-transportnogo khozyaystva Yakutsko-
gosovnarkhoza.
(Lena River--Inland water transportation)

LELIKOV, A.Ye., inzh.

Prospects for highway construction in the Yakut A.S.S.R. Avt.
dor. 22 no.8:10-11 Ag '59. (MIRA 12:11)
(Yakutia--Road construction)

LELIKOV, Sergey Ivanovich; SELEZNEVA, Lidiya Kirillovna; BODRETSOVA,
Anastasiya Ivanovna; LYUSTIBERG, V.F., inzh., ved. red.;
SEMIBRATOV, M.N., kand. tekhn. nauk, red.; SOROKINA, T.M.,
tekhn. red.

[Spectral metal-vapor lamps. High-intensity hydrogen GV-3
Geissler tube] Spektral'nye parometra licheskie lampy. Vysoko-
intensivnaya geisslerovskaya vodorodnaya trubka GV-3 [By] A.I.
Bodretsova i S.I. Levikov. Moskva, Filial Vses.in-ta nauchn.
i tekhn. informatsii, 1958. 11 p. (Perevodoi nauchno-tekhni-
cheskii i proizvodstvennyi optyt. Tema 37. No.P58-90/3)

(Electric lamps) (Optical instruments) (MIRA 16:2)

LELIKOV, V.L.

Role of flies in the distribution of typhoid fever in Leninabad.
Trudy TSIU 68:31-34 '64. (MIRA 18:5)

LELIKOV, V.L.; APOSTOLI, L.A.

Microbiological characteristics of factors transmitting typhoid
fever and paratyphoid in Leninabad and its vicinity. Trudy TSIU
68:85-87 '64.
(MIRA 18:5)

LELIKOV, V.P.

A.P.Прокофьев	Влияние отдельных элементов на
О.Д.Макаровский	свойства стали в процессе кристаллизации.
Л.И.Богданов	
Ю.С.Горюшко	
M.I.Дашевский	Влияние условий роста на структуру
В.Д.Автостанова	межкристаллических зон.
Э.Н.Татова	
С.Я.Соболев	Затвердевание в водопроводной
Е.А.Казанцев	группе стальных сортовых заготовок
В.А.Макаров	изофрагматов.
Е.А.Казанцев	Температурные условия затвердевания
С.Я.Соболев	крупных стальных сортов.
Ю.П.Селинин	Борьба с поверхностными дефектами
Б.А.Леврентьев	на стальных сортах.
В.В.Гуменев	
A.K.Прокофьев	Непрерывная риманка стали в един-
В.Г.Лебедев	ственном заготовочном сечении
В.Р.Горюшко	250x350 мм.
Н.Н.Гусаков	Изследование процесса затвердевания
А.А.Маслов	взаимодействия слагов сечения
А.А.Ноосков	250x350 мм.
Б.В.Гуменев	

report submitted for the 5th Physical Chemical Conference on Steel Production, Moscow-- 30 Jun 1959.

LELIKOV, Ya.

In order to have trained electricians. Pozh.delo 8
no.11:9 N '62. (MIRA 15:11)

1. Zamestitel' nachal'nika Upravleniya okhrany
otshchestvennogo poryadka, Lipetsk.
(Lipetsk Province—~~Electricians~~ Education and training)

C. A. LELIMARSKIY, Ya. K.

X

Neutral electrode in the electrochemistry of molten salts
Yu. K. Lelimarskii (Inst. Gen. Inorg. Chem., Kiev), *Zhur. Fiz. Khim.*, 24, 875-881 (1950). - Na is used in molten electrolytes as a neutral electrode. Paul W. Howerton

IELIO, I.I., dotsent

Lupus erythematosus and pregnancy. Akush.i gin. no.5:115-117
'61. (MTR 15:1)

1. Iz Vil'nyusskogo universiteta imeni V. Kapsukasa.
(PREGNANCY, COMPLICATIONS OF) (LUPUS ERYTHEMATOSUS)

LELIS, I. I.

The syphilis problem in Lithuania. Sbor.nauch.rab.Bel.nauch.-issl.
kozhno-ven.inst. 4:332-339 '54
(MIRA 11:7)
(LITHUANIA--SYPHILIS)

LMLIS, I.I., kandidat meditsinskikh nauk (Vil'nyus)

Control of dermatomycosis in the Lithuanian S.S.R. Vest.ven. i
derm. 30 no.2:48 Mr-Ap '56. (MLRA 9:7)
(LITHUANIA--DERMATOMYCOSIS)

LELIS, I.I., kand. med. nauk. |

Treatment of lupus erythematosus with resochine an' the prevention of
recurrences. Vest. derm. i ven. 32 no.6:77-78 N-D '58. (MIRA 12:1)

1. Iz Vil'nyusskogo gosudarstvennogo universiteta imeni V. Kapsukasa
(rektor - prof. I. Bulavas, dekan meditsinskogo fakul'teta - dots
S. Pavilonis).

(LUPUS ERYTHEMATOSUS, DISCOID, ther.

chlorequine diphosphate (Rus))

(CHLOROQUINE, ther. use

chloroquine diphosphate in discoid lupus erythematosus (Rus))

LELIS, I.I., dotsent

Chronic form of systematic lupus erythematosus and erythema
centrifugum. Vest.derm.i ven. no.1:13-18 '62.

(MIRA 15:1)

1. Iz Vil'nyusskogo universiteta imeni V. Kapsukasa (dekan
meditsinskogo fakul'teta - dotsent S. Pavilonis).
(LUPUS ERYTHEMATOSUS) (ERYTHEMA)

LELIS, I.I., dotsent

Hydralazine syndrome and experimental lupus erythematosus.
Sov. med. 25 no.4:107-112 Ap '62. (MIRA 15:6)

1. Iz meditsinskogo fakul'teta (dekan dotsent S.Pavilonis)
Vil'nyusskogo universiteta imeni V.Kapsukasa.
(LUPUS ERYTHEMATOSUS)
(PHTHALAZINE)

LELIS, I. I. (Vil'nyus)

Specificity of the lupus phenomenon. Klin. med. no.8:99-105 '61.
(MIRA 15:4)

1. Iz Vil'nyusskogo universiteta imeni V. Kapsukasa.

(LUPUS)

LELIS, I.I., kand.med.nauk

Role of trauma in the pathogenesis of lupus erythematosus.
Vest. derm. i ven. 37 no.1:15-18 Ja'63. (MIRA 16:10)

1. Iz Vil'nyusskogo gosudarstvennogo universiteta imeni V.
Kapsukaga.
(LUPUS ERYTHEMATOSUS) (TRAUMATISM)

LELJASZEVICZ, Janusz

Studies on staphylococcal coagulases. V. Quantitative observations concerning the production of free coagulase by strains of Staphylococci originating from various sources. Med.dosw.mikrob. 12 no.1: 21-32 '60.

1. Z Zakladu Mikrobiologii Akademii Medycznej w Poznaniu. Kierownik: prof.dr J. Adamski.

(ENZYMES chem.)

(STAPHYLOCOCCUS chem.)

LELKES, Bela,dr.

The character, classification, survey, and the solution of the transportation of agricultural materials and p: ~~other~~; current questions of agricultural transportation. Kozleked kozl 18 no.25:466-470 24. Je '62.

KROMPECHER, I.; KRAMLI, A.; LEIKES, G.; VALYI-NAGY, L.; SZABO, S.

Antirachitic effect of egg shell. Acta physiol. hung. 4 Suppl:61-62
1953.
(CIML 25:1)

1. Of the Institute of Biochemistry of Szeged University.

LEIKES, G.

HADHAZY, S.; LEIKES, G.; KARMAZSIN, L.

Postnatal development of the adrenal cortex. Acta morph. hung. 4
no.2:209-215 1954.

1. Institut für Anatomie, Histologie und Embryologie der Medizini-
schen Universität, Debrecen (Vorstand: Prof. I.Krompecher)
(ADRENAL CORTEX, anat. & histol.
postnatal develop.)

SZUCS, Endre; KOVACS, Sandor; MESTER, Istvan; JUNG, Bela; LELKES, Gabor;
SCHUSSLER; HAJTO, Nandor, dr.; VERO, Jozsef, dr.

Remarks about Nandor Hajto's lecture entitled "Mn-Ti
containing casehardened steels." Koh lap 9 no. 3: 102-108
Mr '54.

1. Darutervezo Iroda (for Schussler).

LELKES, Gy.; KARMAZSIN, L.

Development of elastic elements in tissue cultures. Acta morph.
hung. 5 no.1-2:149-157 1955.

1. Department of Anatomy, Histology and Embryology of the Medical
University, Debrecen (Director: Prof. I. Krompecher).
(TISSUE CULTURE,
develop. of elastic elements in)

KROMPECHER, St.; LEIKES, Gy.; GALAMB, B.; KERNER, A.

Effect of dietary intake of egg shells on blood formation. Acta physiol. hung. 11(Suppl):68-69 1957.

I. Institut fur Anatomie, Histologie und Embryologie der Medizinischen Universitat, Debrecen.

(EGGS

egg shell, eff. of dietary intake on erythrocyte form.
in rats (Ger))

(ERYTHROCYTES

form., eff. of dietary intake of egg shells in rats (Ger))

LELKES, Gyorgy

Role of movement in the development of joints on the basis of in vitro experiments. Kiserletes orvostud. 10 no.1:80-84 Feb 58.

1. Debreceni Orvostudomanyi Egyetem Anatomiai, Szovet- es Fejlodestani Intezete.

(JOINTS, embryol.

role of movement in develop. in chick embryo in exper.
in vitro (Hun))

(MOVEMENT

role in develop. of joints in chick embryo in exper. in
vitro (Hun))

L E L I T E S , G Y O R G Y N E , D r .

FULOP, Tamas, Dr.; LEIKES, Gyorgyne, Dr.

Industrial care in the plants of the city of Debrecen. Nepegeszseguey
39 no. 1-2:22-26 Jan-Feb 58.

1. Kozlemeny a Debreceni Orvostudomanyi Egyetem Kozegeszsegtani Intexete-
bol (igazgato: Jeney Endre dr. Egyetemi tanar, az orvostudomanyok
doktora).

(INDUSTRIAL HYGIENE

med. serv. in factories in Debrecen (Hun))

LODY, Laszlo, Dr.; KROMPECHER, Istvan, Dr.; LELKES, Gyorgy, Dr.; MESZAROS, Lajos, Dr.; KERNER, Aurelne

Effect of eggshell feeding on blood formation in children. Orv. hetil.
99 no.6:192-194 9 Feb 58.

1. A Nyirbatori Allami Csecsemoothon (vezeto-foorvos: Lody Laszlo dr.)
es a Debreceni Orvostudomanyi Egyetem Anatomiai, Szovet- es Fejlodestani
Intezetenek (igazgato: Krompecher Istvan dr. egyet. tanar) kozlemenye.

(EGGS

eggshell feeding inducing increased erythropoiesis in child.
(Hun))

(ERYTHROCYTES

form., increase induced by eggshell feeding of child. (Hun))

LELKES, Gyorgy, dr.; MESZAROS, Lajos, dr.

Effect of feeding powdered egg shells on callous formations.
Orv.hetil. 101 no.2:47-50 Ja '60.

1. Debreceni Orvostudomanyi Egyetem, Anatomiai, Szovet- és
Fejlodestani Intezet.
(FRACTURES exper.)

VASVARI, Jeno, dr.; LELKES, Gyorgy, dr.

Foreign bodies in the heart. Orv. hetil. 102 no.18:834-839 30 Ap '61.

1. Budapest Fov. IV ker. Karellyi Sandor Kozkorhaz, Rontgen Osztaly
es a IV ker. Arpad Kozkorhaz Belgyogyaszati Osztaly.

(HEART for bodies)

HUNGARY

VERTES, Marietta, KOVACS, Sandor, LELKES, Jozsef, VARGA, Ferenc; Medical University of Peos, Institute of Physiology (Pecsi Orvostudomanyi Egyetem, Elettani Intezet).

"Contributory Data on the Relationship Between the Trophic Hormone Production and ^{32}P Metabolism of the Anterior Pituitary I. The Effect of Thyroxine Treatment, Methylthiouracil Treatment and Thyroidectomy on the ^{32}P Metabolism and O_2 Consumption."

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol XXX, No 1, 1966, pages 45-52.

Abstract: [English article, authors' English summary modified] It was shown by experiments using male albino rats that the 24 hour uptake of ^{32}P by the anterior and posterior pituitary, and the O_2 consumption by the anterior pituitary in vitro, were decreased by thyroxine treatment (20 µg of LaRoche thyroxine twice daily for 10 days). An opposite change occurred in response to thyroidectomy and methylthiouracil treatment (5 mg daily for 10 days). After thyroxine treatment, the ^{32}P content in the lipid-soluble fraction (expressed in % of the total uptake by the lobe) was increased, whereas it was decreased in the acid-soluble and RNA fractions. An opposite effect was achieved by methylthiouracil treatment and by thyroidectomy; i.e. as compared with the controls, the ^{32}P content decreased in the lipid-soluble fraction and increased in the acid-soluble and RNA fractions. No appreciable change in the ^{32}P content of the DNA fraction was observed in any of the cases. 5 Eastern European, 14 Western references. [Manuscript received 1/1 7 Aug 65.]

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000929210009-9

MELKES, Kornel, dr.,y klinikal sij. kons

Diseases of the taught. Mlet mra 19 nov 35-17.68.16.71 - 28 feb 1964.

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000929210009-9"

LEIKES, K.; SZANTO, M.

Experiences with Brossa's test in cancer screening examinations. Orv.
hetil. 93 no. 48:1379-1380 30 Nov 1952. (CIML 24:1)

1. Doctors. 2. Dispensary (Director -- Dr. Jozsef Lendvai), Peterfy
Sandor-utca Hospital.

LEIKES, Kornel, dr; BUDAI, Lili, dr

Stomatological significance of changes in the eosinophil count.
Fogorv. szemle 47 no.6:186-190 June 54.

1. Fogorvos Tovabbkezdo Intezet kozlemenye. Igazgato: Kende
Janos dr.

(EOSINOPHIL COUNT,
dent. aspects)

(DENTISTRY,
dent. aspects of eosinophil count)

HUNGARY/Microbiology - Microorganisms Pathogenic to Humans and Animals F-3

Abs Jour: Ref Zhur - Biol, No 18, 1958, 81498

Author : Lelkes, K.

Inst : -

Title : Presence of Drinking Water Leptothrichia in Carious Dentine.

Orig Pub: Fogorv. szemle, 1956, 49, No. 10, 314-318

Abstract: Leptothrichia found in tap water are similar to phosphataseactive Leptothrichia inoculated from carious dentine. According to Lyudvig's investigations, Leptothrichia can decompose carbohydrates with formation of acid, which indicates their ability to decalcify tooth substance. The author established a relationship between food bacteria, drinking water, and development of the carious process.-- D.S. Silbershteyn.

Card 1/1

LELKES, Kornel, dr.; SIMON, Gabor, dr.

The effect of sex hormones on hemostasis. Fogorv. szemle 59
no. 2:33-37 F '66.

1. Kozlemeny a Budapesti Orvostudomanyi Egyetem Szajsebeszeti
Klinikajarol (igazgatoe Balogh, Karoly, dr. egyetemi tanar, as
orvostudomanyok doktora).

LELKES, Z.; CSEPPENTO, R.

The experimental result of blood transfusion in infants evaluated statistically. Gyermekgyogyaszat 4 no.4:122-124 Apr 1953. (CLML 24:4)

1. Doctora. 2. Children's Department, Karcag Municipal Hospital.

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000929210009-9

LEL'KOV, P.

DECEASED

SEE ILC

AGRICULTURE

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000929210009-9"

LELL¹, [R.K.]

Central State Sci. Control Inst., (-1944-)

"On the stability of the toxin of anaerobic bacilli in glycerine"

Zhur. Mikrobiol., Epidemiol., i Immunobiol., No. 9, 1944

LELL' R.K.

Result of activities of the intestinal disease section in a polyclinic.
Sov. zdrav. 14 no.6:18-22 N-D '55. (MIRA 9:2)

1. Iz 45-y gorodskoy bol'nitsy (Moskva)
(GASTROINTESTINES DISEASES,
infect., ther. in polyclinics)

LELL', R.K.

The role of helminths and intestinal protozoa in chronic
gastrointestinal deseases. Sovet. med. 19 no.5:67-70 My '55.

(MLRA 8:8)

1. Iz kabineta po kishechnym zabolеваний pri polikliniches-
kom otделении 45-y gorodskoy bol'nitsy Sovetskogo rayona
(Moskva)

(GASTROINTESTINAL DISEASES

eff. of helminths & gastrointestinal protozoa)

(HELMINTH INFECTIONS

eff. on gastrointestinal dis.)

LELL', R.K.

[Consulting room practices in cases of intestinal infection] Opyt
raboty kabineta kishechnykh infektsii. Moskva, Medgiz, 1957.
62 p. (MIRA 11:4)

(INTESTINES--DISEASES)

ZABLOTSKAYA, L.P., kand.med.nauk (Moskva); FASLER, L.F., kand.med.nauk
(Moskva); LELL', R.K., kand.med. nauk (Moskva)

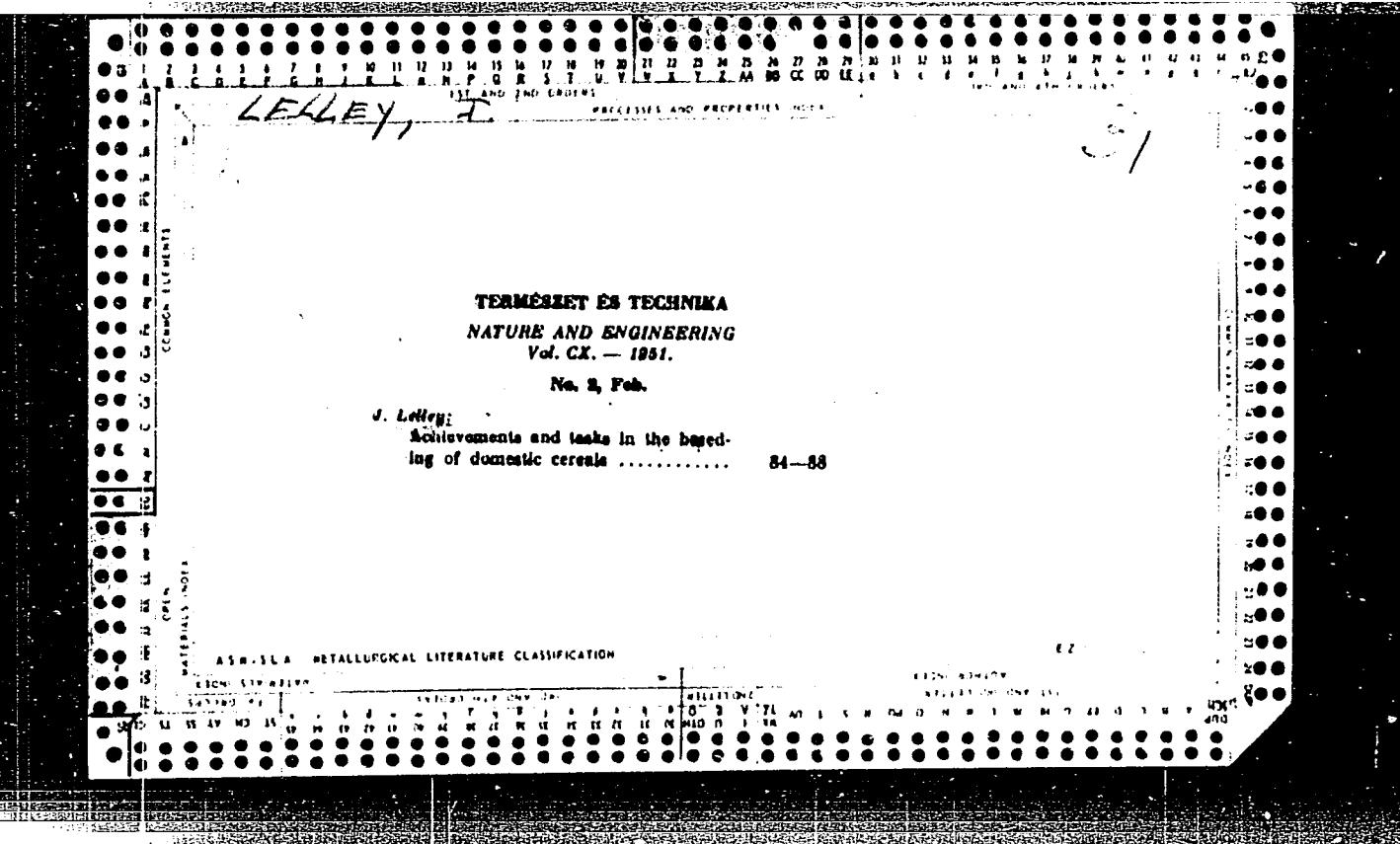
Hygienic instruction of patients with infectious diseases
under dispensary observation. Sov. zdrav. 22 no.6:36-39'63.
(MIRA 16:9)

1. Iz TSentral'nogo nauchno-issledovatel'skogo instituta sa-
nitarnogo prosvetshcheniya (dir. Ye.G.Karmanova)
(COMMUNICABLE DISEASES—PREVENTION)
(HEALTH EDUCATION)

LELLEY, Istvan

Smut, a destructive disease in maize. Elovilag 8 no.5:40-43
S-0 '63.

1. Orszagos Agrobotanikai Intezet.



LELLEY, J.

"Increasing corn production." p. 435. (Termeszet es Technika, Vol. 112, no. 7,
Jul 1953, Budapest)

SO: Monthly List of East European Accessions, Vol 3 No 2 Library of Congress Feb 54 Uncl

LELLEY, J.

"For the Hungarian 'combine-wheat'." p. 503. (Termeszet es Technika, Vol. 112, no. 8, Aug 53, Budapest)

SO: Monthly List of East European Accessions, Vol 3 No 2 Library of Congress Feb 54 Uncl

LELLEY, JANOS.

A buza es nemesitese. Irta Lelley Janos (es) Rajhathy Tibor. (Wheat and its improvements. English and Russian summaries.)
Budapest, Hungary, Akademiai Kiado, 1955. 514 p.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11, November 1959,
Uncl.

LELLY, J.

Scientific basis for quickly increased results with production and
betterment of species of wheat; also remarks by L. Nagy and others.

p. 83. Vol. 10 Nov. 1955 No. 22
Magyar Mexogazd Asag. Medzogazdasgi Konyves Folyointkiado Vallalat,
Budapest.

So, East European Accessions List Vol. 5, No. 1, Jan. 1956

LELEY, J.

Hungarian wheat. p. 644. Vol. 114, no. 11, Nov. 1955. TERMESZET ES TARSADALOM.
Budapest, Hungary.

So: Eastern European Accession. Vol 5, no. 4, 1956-April

Country : HUNGARY
Category: Cultivated Plants. Grains.

M

Abs Jour: RZhBiol., No 11, 1958, 48844

Author : Lelley, Janos
Inst : Sci. Res. Inst. of Agriculture, Kompolt
Title : Data on a New Method of Testing the Winter Resistance of
Winter Grain Cultures.

Orig Pub: Novenytermeles, 1956, 5, No 4, 297-306

Abstract: The Scientific Research Institute of Agriculture (Kompolt) organized an experimental station in the village of Matraszentlaszlo, where more severe wintering conditions than in Kompolt insure a definite natural selection for winter resistance. An increase in the natural selection is also achieved by removing the snow cover.

Card : 1/1

M-11

LEILLEY, J.

The problem of developing corn production. p. 2. (Magyar Mezogazdasag, Vol. 11, no. 1, Jan. 1956 Budapest)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

LEILLEY, J.

LEILLEY, J. Let us decrease losses in grain, p. 3

Vol. 11, no. 12, June 1956

Magyar MEZAGAZDASAG

AGRICULTURE

Budapest, Hungary.

SO: EAST EUROPEAN ACCESSIONS, VOL. 6 no. 3, March 1957

LELLEY, J.

LELLEY, J. Tasks for our wheat producers in case of dry weather. p. 3.

Vol. 11, no. 18, Sept. 1956

MAGYAR MEZGÁZDASÁG

AGRICULTURE

Budapest, Hungary

So: East European Accession, Vol. 6, No. 5, May 1957

COUNTRY : HUNGARY
CATEGORY : Plant Diseases. Cultivated Plants. 0
ABS. JOUR. : RZhBiol., No. 3, 1959, No. 11259
AUTHOR : Kiraly, Z., Lellev, J.
INST. : Budapest Institute of Plant Protection
TITLE : The Supersensitive Reaction of Wheat to Smut Infection.
ORIG. PUB. : Novenytermeles, 1957, 6, No. 3, 233-238
ABSTRACT : During the study of the interrelationship of the "spring" pathogenic biotype of the smut and two Hungarian varieties of winter wheat, parabolic connection between them was discovered at the Budapest Institute of Plant Protection and the Agricultural Institute in Kompolt. It was found that the parabolic relation is a consequence of the hyperergic (supersensitive) reaction of the host plant. As the result of the supersensitive reaction of the host plant, the pathogen perishes and the development of the disease stops. — F. Yu. Grabar'

CARD: 2/2

-3-

LELLEY, Janos

Plant improvement against mildew formation in Hungary.
Term tud kozl 4 no. 5:225-227 My '60.

1. Manager, Kompolt.

LELLEY, Janos; PARADI, Laszlo

Harvester of parcels. Mezogazd techn 4 no.10:18-19 '64.

LE LONG, P.

Lelong, P. Sur les séries de Taylor $F(x, y)$ ayant des coefficients entiers. Publ. Math. Debrecen 1, 209-221
(1950).

The author considers questions relating to the rationality of analytic functions of two complex variables whose Taylor coefficients are integers. For Taylor series in one variable such questions were previously considered by Borel and by Pólya [Math. Ann. 99, 687-706 (1928)]. Let D be a domain in the space of two complex variables x and y and containing the origin 0. Let $E(D)$ designate the class of functions $F(x, y)$ which are analytic and single-valued in D and all of whose Taylor coefficients $a_{pq} = (p!q!)^{-1} (\partial^{p+q} F / \partial x^p \partial y^q)$ are integers. The author gives certain sufficient conditions on D in order that $E(D)$ contain only rational functions. This result is applied to the case in which D is a Hartogs domain of regularity H defined by $H: [y \neq 0, |x| < R(y)]$. Here ϵ designates a domain lying in the complex y -plane and $-\log R(y)$ is subharmonic or $-\infty$. It is shown that a necessary and sufficient condition that $E(H)$ contain only rational functions is that (a) there exists an open set ϵ containing the origin and contained in $[x=0, y \neq 0]$ on which $R(y) > \rho > 1$, (b) under the transformation $y' = y^{-1}$, the component ϵ_0 of ϵ which contains the origin goes into a region whose closed bounded complement σ possesses a transfinite diameter $c(\sigma) < 1$.

P. Davis (Washington, D. C.)

Vol 13 No. 9

Source: Mathematical Reviews.

• The Siegel operator Φ :

$$f(Z) \Phi = \lim_{k \rightarrow \infty} f\left(\frac{Z^k}{n}, \frac{\pi}{\alpha}\right),$$

maps $M_k^{(n)}$ onto $M_{k-1}^{(n-1)}$. Maass proves the existence of a unique decomposition $M_k^{(n)} = S_{k,0}^{(n)} + \dots + S_{k,n-1}^{(n)} + S_k^{(n)}$, such that $S_{k,0}^{(n)} + \dots + S_{k,n-1}^{(n)}$ is mapped one-to-one onto $M_{k-1}^{(n)}$ by Φ^{n-1} , $0 \leq j \leq n-1$. Interest centers on $S_{k,0}^{(n)} + S_{k,1}^{(n)}$, the set mapped by Φ^{n-1} on $M_k^{(n)}$, the space of the usual modular forms. The author next establishes the commutativity $\Phi \tau(p) = \tau(p) \Phi$. This step requires a long, complicated proof.

According to the Petersson theory mentioned earlier [cf. Math. Ann. 116, 401-412 (1939)] there exist eigenfunctions $f_r | \tau(p) = a_r(p) f_r$, $r = 1, 2, \dots, p_1$. Define the forms g_r by $g_r | \Phi^{n-1} = f_r$, $r = 1, 2, \dots, p_1$; these functions lie in $S_{k,0}^{(n)} + S_{k,1}^{(n)}$ and constitute a basis thereof. We have then

$$\begin{aligned} g_r | \tau(p) \Phi^{n-1} &= [g_r | \Phi^{n-1}] | \tau(p) = f_r | \tau(p) \\ &= a_r(p) f_r = a_r(p) g_r | \Phi^{n-1}. \end{aligned}$$

from which it follows that (*) $g_r | \tau(p) = a_r(p) g_r$, $1 \leq r \leq p_1$, i.e., the g_r are eigenfunctions of the set $\{\tau(p)\}$. The $\{a_r(p)\}$ are Fourier coefficients of f_r ; therefore, of g_r . These three properties characterize the g_r to within a multiplicative factor. By expanding both sides of (*) into Fourier series the author obtains a complicated equation $a_r(p) a_s(T) = \dots$, which is intended to generalize the multiplication law $a_r(r) a_s(s) = \sum a_{rs,rs/d} \cdot d^{k-1}$ of the Hecke theory. For the case $n = 2$, which is treated in detail in the last section of the paper and without the restriction $m = p$, the multiplication law is obtained in a simple form. *J. Lehner.*

Source: Mathematical Reviews,

Vol. 13 No. 9

Lelossy L.

Haberland K., Balajthy B. and Lelossy L. -Neurol. Psychiat., Clin. Univ., Debrecen Pathohistologic examination of the nervous system in tetanus Acta Morphol. (Budapest) 1952, 2/2 (109-119) Illus. 3

Thirty cases of tetanus, which had not been treated with serum, were examined. The microscopical findings showed a lack of uniformity. Therefore it is concluded that no specific histological pattern characteristic for tetanus exists. The authors reject all the previous theories on the matter except that of Speransky, saying that the 'specific feature of tetanus toxin is its capacity for creating a characteristic and constant form of complex neural reaction merely by a pathological stimulation of the peripheral nervous system'. Zawisch - Graz (V,8)

SO: Excerpta Medica, Vol. 7 No. 2, Section VIII - February 1954